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312.902.5200 office 312.902.1061 fax

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| Date | Client/Matter Number | | | | | |
| February 9, 2007 | 211843-00044 | | | | | |
| From | Attorney Number | | | | | |
| John S. Paniaguas | 32347 | | | | | |
| Phone | Fax | | | | | |
| 312.902.5312 | 312.577.4532 | | | | | |
| <hr/> | | | | | | |
| Total number of pages, including cover letter: pages 34 If you do not receive all of the pages, please call: 312.902.5312 | | | | | | |

Comments

RE Patent Application No.: 10/582,392

Filing Date: June 9, 2006

Inventor: Horsky et al.

Title: Method and Apparatus for Extending Equipment Uptime in Ion Implantation

Confirmation No.: Unknown

Please file the attached.

Transmittal Form (1 p.)

Information Disclosure Statement (3 p.)

Form PTO/SB/08A (1 p.)

Form PTO/SB/08B

European Search Report (4 p.)

Cited Reference (26 p.)

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4218).

**FEE TRANSMITTAL
For FY 2006** Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

| | |
|----------------------|---------------|
| Application Number | 10/582,392 |
| Filing Date | June 9, 2006 |
| First Named Inventor | Horsky et al. |
| Examiner Name | Unknown |
| Art Unit | Unknown |
| Attorney Docket No. | 211843-00044 |

METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): _____ Deposit Account Deposit Account Number: 50-1214 Deposit Account Name: _____

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FEES CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|--------------|----------|--------------|----------|------------------|----------|----------------|
| | Small Entity | Fee (\$) | Small Entity | Fee (\$) | Small Entity | Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | _____ |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | _____ |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | _____ |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | _____ |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | _____ |

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Small Entity | Fee (\$) | Fee Paid (\$) |
|--|--------------|----------|---------------|--------------|----------|---------------|
| - 20 or MP = | x | = | | 50 | 25 | |
| MP = highest number of total claims paid for, if greater than 20 | | | | 200 | 100 | |
| Independent Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | 360 | 180 | |

- 3 or MP = $\frac{\text{Total Claims} - 20}{MP}$ x 50 = Fee Paid (\$)

MP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| - 100 = | / 50 = | (round up to a whole number) x | = | Fee Paid (\$) |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY

| | | | |
|-------------------|--------------------------|-------------------------|--------------------------|
| Signature | <i>John S. Panagakos</i> | Registration No. 31,051 | Telephone (312) 902-5200 |
| Name (Print/Type) | John S. Panagakos | Data February 9, 2007 | |

The collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the person which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including reading, preparing, and submitting the completed application form to the USPTO. Total cost vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/21 (09-06)

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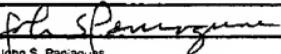
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Total Number of Pages in This Submission

| | |
|------------------------|---------------|
| Application Number | 10/582,392 |
| Filing Date | June 9, 2007 |
| First Named Inventor | Horsky et al. |
| Art Unit | Unknown |
| Examiner Name | Unknown |
| Attorney Docket Number | 211843-00044 |

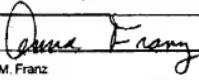
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| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
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| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
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| | <input type="checkbox"/> Remarks | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|--------------|---|
| Firm Name | Karen Muchin Rosenman LLP |
| Signature |  |
| Printed name | John S. Panagakos |
| Date | February 9, 2007 |
| | Reg. No. 31,051 |

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| Signature |  |
| Typed or printed name | Anna M. Franz |
| Date | February 9, 2007 |

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Substitute for form 1449A/PTO.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

| | |
|-----------------------------|---------------|
| Application Number | 10/582,392 |
| Filing Date | June 9, 2006 |
| First Named Inventor | Horsky et al. |
| Group Art Unit | Unknown |
| Examiner Name | Unknown |

Attorney Docket Number 211843-00044

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No.† | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Documents | Page, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------|-----------------|--------------------------------|---|--|
| | | | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. † | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Page, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
|--------------------|---------------|--|--------------------------------|--|--|---|
| | | Country Code * -Number * -Kind Code * (if known) | | | | |
| | B1 | JP2003323051 | 11.24.2000 | Nissin Electric Co. Ltd. | | |
| | B2 | EP 1061550 A2 | 12.20.2000 | Axcelis Technologies | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published | T |
|--------------------|----------------|---|------------|
| | C1 | European Search Report from EP 04 81 3789, dated January 10, 2007 | |
| | | | |
| | | | |
| Examiner Signature | /Bernard Souw/ | Date Considered | 05/26/2010 |

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†Applicant's unique citation designation number (optional). * See Kind codes of USPTO Patent Documents as www.uspto.gov or MPEP 901.04. † Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.15 if possible. * Applicant is to place a check mark here if English language Translation is attached.

**RECEIVED
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FEB 09 2007.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Horsky, et al.

Serial No.: 10/582,392

Filed: June 9, 2006

Title: METHOD AND APPARATUS FOR
EXTENDING EQUIPMENT UPTIME IN ION
IMPLANTATION

Group Art Unit: Unknown

Examiner: Unknown

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This document is being filed pursuant to the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

I. TIME OF FILING

This document is being filed in accordance with 37 C.F.R. § 1.97(b) as it is believed to be filed:

- within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
- before the mailing of a first Office action on the merits; or
- before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

OR

Application No. 10/582,392

Page 2 of 3

— This document is being filed in accordance with 37 C.F.R. § 1.97(c) as it is believed to be filed before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application. This Statement is accompanied by one of:

the following statements; or

— Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

— No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

— The fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

OR

— This document is being filed in accordance with 37 C.F.R. § 1.97(d) as it is believed to be filed on or before the payment of the issue fee and is accompanied by one of the following statements and the fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

— Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

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Applicant(s) respectfully request that the documents listed on the attached Form PTO/SB/08A and/or Form PTO/SB/08B be considered and made of record.

OR

— It is requested that this Statement and enclosures be placed in the file. It is understood that the cited references will not be considered by the Office.

Application No. 10/582,392
Page 3 of 3

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II. FOREIGN PATENT OFFICE COMMUNICATIONS (if applicable)

One or more of the items of information contained in the information disclosure statement were cited in a communication from a foreign patent office in a counterpart foreign application.

A copy of the search report is attached.

III. COPIES OF CITED REFERENCES

Because this application was filed prior to June 30, 2003, copies of the document(s) listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

OR

Because this application was filed after June 30, 2003, copies of non-U.S. patent citations as listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

AND (if applicable)

All cited U.S. pending (non-published) applications listed on Form PTO/SB/08A are stored in the USPTO's IFW system. Copies are therefore not provided.

OR

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IV. REMARKS

The above constitutes information that an Examiner may find material to the examination of the subject application; however, it does not negate the patentability of the subject invention. Furthermore, it is not intended that submission of this information be taken as a representation that a search has been made or that no information which is more material exists.

The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment with respect to this communication to Deposit Account No. 50-1214. A duplicate copy of this communication is enclosed.

Date: February 9, 2007

By:


John S. Paniguanas
Attorney or Agent for Applicant(s)
Reg. No. 31,051